ABSTRACT

Disclosed is a digital TV receiver, in which a symbol synchronization signal and a carrier signal are compensated by detecting multipath channel information. The present invention compensates a carrier and symbol synchronization signal attenuated due to multipath by detecting a degree of attenuation affected by a multipath signal from a pilot signal and symbol timing information, and uses a degree of attenuation affected by a multipath signal detected from a pilot signal and symbol timing information as multipath information to apply to a smart antenna control. Therefore, the present invention enables to enhance receiving performance of the digital TV receiver.